

SECRET

NO FOREIGN DISSEM

23 4243
EP 63-65

CIA No. 2226

28 AUG 1963

MEMORANDUM FOR: Mr. R. D. Sexton
Chief, Intelligence Division
Engineer Special Projects Area
Army Map Service
Corps of Engineers, US Army
Washington 25, D. C.

SUBJECT: Request for Mines and Mineral Deposits, China

REFERENCE: Your Memorandum 1098 of 12 March 1962

The attached list of ferrous and nonferrous mines and deposits
in Area VI is in response to referenced memorandum.



25X1A

OTTO N. GUTHRIE
Assistant Director

Enclosure:

Communist China: Ferrous and Nonferrous
Mines and Deposits in Area VI, Project: 23.4243

Distribution:

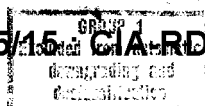
- Orig. and 1- Addressee (w/1 encl.)
- 2 - AD/RR (w/1 encl.)
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- 2 - R/MM

25X1A

ORR/R/MM/ [REDACTED] leh/6901(23 Aug. 63)

SECRET

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Communist China: Location of Mines and Deposits
(Map Area VI)**

Mine or Deposit	Coordinates		Province	Product	Remarks
	North	East			
An-shi	30°38'	119°41'	Chekiang	Iron	Operating in 1960
An-shu	29°24'	111°13'	Buran	Antimony	Status unknown
An-k'ang	32°42'	109°12'	Shensi	Copper	Began operating in 1958
Ch'ang-hsing	31°01'	119°54'	Chekiang	Iron	Open pit mine - Began operating in 1957
Ch'ang-shu	30°10'	119°13'	Chekiang	Fluorspar	Status unknown
Ch'ang-shan	28°57'	119°31'	Chekiang	Fluorspar	Status unknown
Ch'ang-te	29°02'	111°41'	Buran	Diamonds Manganese	Diamond mine began operating in 1958
Chao-yuan	approx. 37°22'	120°24'	Shantung	Gold	Status unknown
Chen-an	33°24'	109°18'	Shensi	Iron	Operating in late 1950's - probably open pit
Chen-chiang	32°13'	119°26'	Kiangsu	Graphite	Status unknown
Ch'eng ch'eng	35°09'	109°48'	Shensi	Pyrite	Status unknown
Ch'eng Kuan*	approx. 31°38'	114°30'	Honan	Niob	Operating in 1961
Cheng-men-shan*	29°38'	115°46'	Kiangsi	Iron	Open pit mine - Began operating in 1957
Chiang-ning	31°58'	116°50'	Kiangsu	Iron	Under development in late 1950's
Chiang-shan	28°45'	118°37'	Chekiang	Fluorspar	Status unknown

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<u>Name or Deposit</u>	<u>Geographical</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Chiao-teso	35°15'	113°13'	Honan	Iron	Open pit mine - Began operating in 1957 or 1958
Ch'i-ch'un	approx. 30 14'	115°26'	Hupoh	Lead-zinc	Status unknown
Chieh-y'ei-yu*	29°30'	110°35'	Hunan	Arsenic	By product of tin mining
Ch'ieh shan	30°36'	116°36'	Anhui	Lead-zinc	Status unknown
Chien-shih	30°37'	109°38'	Hupoh	Pyrite	Status unknown
Chien-te	29°32'	119°30'	Chekiang	Iron	Probable open pit mine - Began operating in 1956
Chih-te	30°07'	116°59'	Anhui	Tin	Status unknown
Chih-chang	35°30'	112°50'	Shensi	Iron	Probable open pit mine - Began operating in late 1950's
Ching-te-chon	29°16'	117°11'	Kiangsi	Kaolin	Status unknown
Chia-Hua	29°07'	119°39'	Chekiang	Fluorspar	Status unknown
Chia-p'ing*	approx. 34°40'	119°10'	Kiangsu	Phosphorus	Expanded in 1959
Chia-shui	35°41'	112°11'	Shensi	Iron	Small deposits, operating in late 1950's, probable open pit
Ch'iu-yang	35°06'	112°57'	Honan	Graphite	Operating in 1959
Chu-chiang	29°44'	115°59'	Kiangsi	Iron	Old deposit, probably mined in late 1950's
Chi-yuan	35°08'	112°35'	Honan	Pyrite	Status unknown
Chu-chi	approx. 29°43'	120°10'	Chekian	Fluorspar Graphite Pyrite Zinc	Status unknown

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<u>Mine or Deposit</u>	<u>Coordinates</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Chai-jung	31°36'	119°10'	Kiangsu	Graphite	Status unknown
Chang-tiao-shan*	35°15'	111°30'	Shansi	Copper	Operating in 1958
Chia-shan*	28°35'	108°38'	Szechuan	Mercury	Status unknown
Ho-shih	30°18'	109°29'	Yupoh	Iron	Status unknown
Peng-huang-shan*	31°50'	118°30'	Kiangsu	Iron	Open pit - operating in 1961
Peng-lin*	28°32'	118°30'	Kiangsu	Iron	Being "mechanized" in mid-1961
Peng-tai	32°44'	116°43'	Anhui	Phosphate	Status unknown
Pu-yang	approx.	119°57'	Chaktang	Copper	Operating in 1958
Shi-chou	34°34'	119°08'	Kiangsu	Phosphate	Status unknown
Sho-gang	approx.	109°50'	Yupoh	Iron Lead Zinc Phosphate	Status unknown
Shiang-shan	29°18'	121°37'	Chaktang	Fluorspar	Status unknown
Shiang-shan*	approx.	118°29'	Anhui	Pyrite	Main source of sulfur raw material
Shiang-yang	32°02'	112°06'	Yupoh	Phosphate	Status unknown
Shiao-kan	approx.	113°54'	Yupoh	Phosphate	Status unknown
Shiao-shu*	32°11'	119°12'	Kiangsu	Iron	Open pit mine - operating in late 1950's
Shi-hsien	29°52'	118°26'	Anhui	Asbestos	Status unknown
Shi-shan*	29°41'	111°22'	Hubei	Antimony	Status unknown
Shi-shan	34°38'	112°18'	Hubei	Pyrites	Status unknown

Name of Deposit	Coordinates		Province	Product	Remarks
	North	East			
Hsiu-ch'ang	29°30'	120°54'	Chienlung	Fluorspar	Status unknown
Hsiung-shan	approx. 31°10'	110°51'	Hupoh	Lead Zinc	Status unknown
Hsiung-tzu	29°17'	116°03'	Kiangsi	Kaolin	Status unknown
Hsiu-yang	32°08'	114°04'	Honan	Iron	Open pit - Mining started during 1st FYP
Hsiu-yeh*	29°50'	115°10'	Hupoh	Copper	Began operating in October 1956
Hsiu-yeh	32°31'	112°21'	Honan	Copper	Began operating in April 1957
Hsuan-shu Hsiu	approx. 29°59'	109°24'	Hupoh	Lead Zinc	Status unknown
Hsu-yu	27°54'	110°35'	Hunan	Pyrites	Status unknown
Hui-yin	33°35'	119°02'	Kiangsu	Iron	Probably open pit mine - Operating in 1960
Huang-mei	30°04'	115°56'	Hupoh	Phosphorus	Status unknown
Hu-chou	30°52'	120°06'	Chienlung	Bauxite	Status unknown
I-ch'ang	approx. 30°42'	111°17'	Hupoh	Phosphate	Status unknown
I-tien	34°46'	117°35'	Shantung	Magnetite	Status unknown
I-shui	35°48'	118°37'	Shantung	Iron	Open pit mine - Under development in 1959
I-tu	30°24'	111°26'	Hupoh	Iron	Mining activity during late 1950's
I-wu	29°18'	120°04'	Chienlung	Fluorspar	Status unknown

Mine or Deposit	Coordinates		Province	Product	Remarks
	North	East			
I-yang	26°36'	112°20'	Hunan	Iron-Antimony	Status Unknown
I-yang	34°09'	112°25'	Hunan	Gold	Lode
Kao-ping	35°46'	112°55'	Szechuan	Iron	Small open-pit deposits - Mining activity in late 1950's
Kuang-shan	approx. 32°01'	114°54'	Hunan	Lead-zinc	Status Unknown
Kuan-tien*	30°37'	109°36'	Hubei	Iron	Status Unknown
Kul-ch'ih	30°40'	117°29'	Anhui	Pyrites	Status Unknown
Lan-chi-hsiang*	26°27'	110°23'	Hunan	Iron	Old deposit, no indication of mining activity
Li-kuo*	34°35'	117°25'	Kiangsu	Iron	Pre-communist open pit mine - operating in 1962
Lin-an	30°14'	119°43'	Chekiang	Iron-Fluorspar	Iron mine operating in 1950
King-chuan	35°46'	113°26'	Szechuan	Iron	Small open pit deposits - Mining activity in late 1950's
Lin-hai	26°51'	121°07'	Chekiang	Lead-zinc	Status Unknown
Lin-hsiang	29°29'	113°27'	Hunan	Fluorspar	Status Unknown
Li-shui	26°07'	119°33'	Chekiang	Fluorspar	Status Unknown
Lo-nan	34°06'	110°10'	Szechuan	Iron	Open pit deposit - Mining activity in late 1950's
Lo-shan hsiang	Approx. 32°12'	114°32'	Hunan	Lead-zinc	Status Unknown

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<u>Name or Deposit</u>	<u>Coordinates</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Lung-men-cheng*	28°35'	108°53'	Szechwan	Mercury	Status Unknown
Lung-yu	29°02'	119°10'	Chekiang	Fluorspar	Status Unknown
Lu-shan	33°44'	112°55'	Honan	Iron	Open pit mine, operating in 1960
Man-shan	31°44'	118°28'	Anhui	Iron	Includes at least five mechanized open pit mines; the Man-shan and Ma-shan at Man-shan, the Ku-shan and Chung-shan at Tang-tu (31°34'N, 118°29'E) and the Tso-ch'ung at Pan-chang (31°05'N, 118°12'E).
Ma-cheng	31°11'	115°02'	Hupoh	Iron	Mining iron bearing sands from the Tsoolin River in 1958.
Mian-chih	34°48'	111°40'	Honan	Iron	Open pit mine, operating in 1959-60.
Mou-ping	Approx. 37°23'	121°35'	Shantung	Gold	Status Unknown
Nanking	32°03'	118°47'	Kiangsu	Tin	Operating in 1961
Wei-hsiang	33°03'	111°53'	Honan	Asbestos	Status Unknown
Wing-tai	29°18'	121°25'	Chekiang	Fluorspar-Lead-Zinc	Status Unknown
Wing-hsiang	28°15'	112°33'	Hunan	Iron	Open pit mine, operating in mid 1960.
Y-ling*	29°55'	114°20'	Hupoh	Iron	Open pit mine, mechanized - Operating in Aug. 1962
Yai-sha-p'u*	29°58'	115°03'	Hupoh	Copper	Status Unknown

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<u>Mine or Deposit</u>	<u>Coordinates</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Pai-shui	35°08'	109°36'	Shensi	Pyrites	Status Unknown
Pai-yun-shan*	29°56'	115°05'	Hubei	Iron	Old deposit, no indication of mining activity.
Paio-shui-yen*	27°59'	106°35'	Kweichow	Copper	Operating in 1950
Po-ai	35°10'	113°04'	Honan	Pyrites	Status Unknown
Pu-chiang	29°28'	119°53'	Chekiang	Fluorspar-Zinc	Status Unknown
Shang-ch'eng	Approx. 31°48'	115°24'	Honan	Graphite-Lead-Zinc	Status Unknown
Shang-hsien	33°49'	109°56'	Shensi	Talc	Status Unknown
Shao-hsing	30°00'	120°35'	Chekiang	Copper	Status Unknown
Shih-men-hsien	Approx. 29°35'	111°22'	Hunan	Asbestos-Phosphorous	Status Unknown
Shen	Approx. 34°16'	108°54'	Shensi	Aluminous shale	Status Unknown
T'an-ch'eng Hsien	34°38'	118°21'	Shantung	Diamonds	Status Unknown
T'ang-ch'ei	29°03'	119°24'	Chekiang	Lead-Zinc	Status Unknown
Tan-tu	32°13'	119°26'	Kiangsu	Graphite	Status Unknown
T'ao-lin*	29°20'	113°24'	Hunan	Lead-Zinc	Operating in 1960
T'ao-yuan	28°54'	111°29'	Hunan	Antimony-Tungsten	Status Unknown

Mine or Deposit	Coordinates		Province	Product	Remarks
	North	East			
Ta-yeh	30°05'	114°57'	Hupeh	Copper-Iron-Manganese	Status Unknown
Ta-yang	29°06'	110°24'	Hunan	Copper	Status Unknown
Te-hsing	28°54'	117°34'	Kiangsi	Copper-Lead-Zinc	Operating in 1959
T'ung-ch'eng	31°03'	116°58'	Anhui	Asbestos	Status Unknown
T'ung-ch'eng	29°14'	113°48'	Hupeh	Beryl	Operating in 1957
Tung-hai	34°30'	118°46'	Kiangsu	Quartz-Manganese	Status Unknown
Tung-kuan-shan	Approx. 30°56'	117°50'	Anhui	Copper-Iron-Manganese	Major copper mining area. Open pit iron mine. Estimated deposit of 10 million tons of manganese
Tung-lin	30°13'	116°55'	Anhui	Flu	Status Unknown
Tung-lu	29°49'	119°40'	Chekiang	Fluorspar	Status Unknown
Tung-pai	32°22'	113°24'	Honan	Iron	Open pit mining started during 1st FYP.
T'ung-shan	29°36'	114°31'	Hupeh	Pyrites	Status Unknown
Ts'u-li	29°24'	111°04'	Hunan	Phosphorous	Status Unknown
Tan-hsien area	Approx 30°49'	108°21'	Szechuan	Iron	Includes small deposits at Kai-hsien (31°12'N; 108°25'E), Yun-Tung (30°55'N; 108°56'E), T'ung-chieh (31°02'N; 109°31'E), and Wushan (31°05'N; 109°54'E). Mining probably is underground.

Mine or Deposit	Coordinates		Province	Product	Remarks
	North	East			
Hen-chou Area	Approx. 28°01'	120°39'	Chiang	Iron	Includes deposits at Yut-ho (28°07'N; 119°33'E) and Ching-tien (28°11'N; 120°16'E)
Mu-chi* (deposits Approx. west of Yuan-ling)	28°27'	110°23'	Hunan	Antimony	Status Unknown
Mu-hsi	Approx. 31°35'	120°18'	Kiangsu	Manganese	Status Unknown
Mu-I	28°53'	119°48'	Chiang	Fluorspar	Major fluorspar deposit
Yang-cheng	35°32'	112°36'	Shensi	Iron	Small deposits, operating in late 1950's, probably open pit.
Yang-chou	Approx. 32°24'	119°26'	Kiangsu	Pyrite	Status Unknown
Yang-hsin	29°50'	115°10'	Hupoh	Copper-Manganese-Pyrite	Status Unknown
Yang-ch'eng	30°57'	113°33'	Hupoh	Copper	Status Unknown
Yuan-chia-kou*	29°38'	109°04'	Hupoh	Copper	Status Unknown
Yuan-chiang	28°50'	112°23'	Hunan	Manganese	Status Unknown
Yueh-yang	29°23'	113°06'	Hunan	Fluorspar	Status Unknown
Yu-hsien	34°10'	113°28'	Hunan	Iron	Open pit mine, operating in 1960
Yu-huang-shan*	35°52'	117°32'	Shantung	Iron	Open pit mine, operating in 1960

<u>Mine or Deposit</u>	<u>Coordinates</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Yun-ch'eng	35°02'	110°56'	Shensi	Copper	Operating in 1959.
Yung-k'ang*	28°53'	120°02'	Chekiang	Fluorspar	Major Fluorspar deposit
Yung-ling-ch'ien	Approx. 29°06'	110°24'	Hunan	Lead-Zinc	Status Unknown
Yun-hai	Approx. 33°00'	110°22'	Hubei	Lead-Zinc	Status Unknown
Yun-hsien	32°49'	110°49'	Hubei	Gold	Alluvial deposits
Yunmeng	31°02'	113°41'	Hubei	Gypsum	Status Unknown
Yu-yang	28°52'	108°45'	Szechuan	Mercury	Status Unknown
Yu-yao	30°03'	121°09'	Chekiang	Manganese	Status Unknown

* Not given in MIN Gazetteer. All other place names are from the MIN Gazetteer.

** Region VI: Bounded on the east by the Yellow Sea and the East China Sea; on the south by 28°30'N; on the west by 108°00'E; on the north by 35°00'N.

NO FOREIGN DISSEM

CIA No. 2556

JAN 8 1964

MEMORANDUM FOR: Mr. R. D. Sexton
Chief, Intelligence Division
Engineer Special Projects Area
Army Map Service
Corps of Engineers, US Army
Washington 25, D. C.

SUBJECT: Request for Mines and Mineral Deposits, China

REFERENCE: Your Memorandum 1098 of 12 March 1962

The attached list of ferrous and nonferrous mines and deposits
in Area VII is in response to referenced memorandum.

OTTO E. GUTHE
Assistant Director
Research and Reports

25X1A

Enclosure:

1. Communist China: Ferrous and Nonferrous
Mines and deposits in Area VII, Project: 23.4243

Distribution:

- Orig. and 1- Addressee (w/1 encl.)
2 - AD/RR (w/1 encl.)
✓ 1 - Ch/E (w/o encl.)
2 - R/MM

25X1A

ORR/R/MM/ :leh/6901 (31 Jan 64)

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Communist China: Location of Mines and Deposits
(Shan Area VII)*

Name or Deposit	Coordinates		Province	Product	Remarks
	North	East			
Im-chi	25° 03'	116° 13'	Shensi	Graphite Iron Ore	Status unknown
Am-tsun	26° 08'	111° 39'	Hubei	Antimony	Operating in 1953
Am-jen	26° 42'	113° 16'	Hubei	Graphite, Tin	Status unknown
Am-lo	26° 12'	116° 48'	Shensi	Sulfur	Status unknown
Am-yuen	25° 09'	115° 21'	Kiangsi	Tin	Status unknown
Mo-c'ou-shan	27° 43'	112° 05'	Hubei	Pyrites	Status unknown
Chia-tsun-shan	27° 40'	111° 40'	Hubei	Iron Ore	Operating in 1953. Pyrites are small and poor quality
Ch'ang-shing	25° 24'	112° 24'	Hubei	Tin	Status unknown
Ch'ang-shing	25° 06'	117° 24'	Shensi	Graphite	Operating in 1953
Ch'ang-shing	24° 00'	117° 37'	Shensi	Barite	Status unknown
Ch'ang-shing	26° 12'	112° 24'	Hubei	Tin	Status unknown
Ch'ang-shing	23° 41'	116° 30'	Hubei	Tin	Operating in 1953
Ch'ang-shing	24° 00'	116° 30'	Hubei	Tin	Status unknown
Ch'ang-shing	22° 40'	111° 24'	Hubei	Pyrites	Status unknown

<u>Mine or Deposit:</u>	<u>Coordinates</u> <u>North</u> <u>East</u>	<u>Province</u>	<u>Product</u>	<u>Remarks</u>
Chaitiench'ang*	27°45' 109°27'	Hunan	Mercury	Status unknown
Ch'ien-chi	26°00' 110°11'	Hunan	Copper-Gold	Status unknown
Chang-ho	27°23' 118°51'	Fukien	Lead-Zinc	Status unknown
Ch'ang-an	19°49' 109°59'	Kwangtung	Antimony	Status unknown
Ch'ien hsiang	25°48' 113°02'	Hunan	Urephite-Lead Sulfur-Tin	Status unknown
Chang-yuan	27°03' 108°28'	Kweichow	Lead-Zinc	Status unknown
Chia	27°08' 115°00'	Kiangsi	Iron Ore	Status unknown
Chiang-yieh*	24°46' 116°10'	Kwangtung	Manganese	Open pit mine, closed down in July 1962
Chiang-hua	25°14' 111°30'	Hunan	Tin	Status unknown
Chiang-k'ou	27°42' 108°50'	Kweichow	Antimony	Status unknown
Chia-shing	24°40' 116°10'	Kwangtung	Manganese	Open pit mine, closed down in July 1962
Chieh-yung-hsien	23°23' 116°20'	Kwangtung	Blasch-Tin Fluorspar	Operating in 1955
Ch'ien-ch'ang	26°15' 109°42'	Hunan	Mercury	Status unknown
Ch'ien-nan	24°45' 114°32'	Kiangsi	Tin	Status unknown
Chien'ou	27°03' 118°19'	Fukien	Gold	Status unknown

<u>Name or Deposit</u>	<u>Coordinates</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Ch'ien-shan	Approx. 26°12'	117°45'	Kiangsi	Lead	Operating in 1960
Ch'ien-yung*	27°12'	109°50'	Hunan	Gold	Status unknown
Chih-chiang	27°27'	109°41'	Hunan	Gold	Status unknown
Chi-li-yung*	26°30'	112°20'	Hunan	Iron Ore	Status unknown
Chi-lo-shih*	25°16'	118°13'	Fukien	Lead-Zinc	Status unknown
Chi'-wan 'hung*	26°25'	119°41'	Chengkang	Pyrites	Status unknown
Chin-ch'uan-t'ung*	25°41'	113°10'	Hunan	Pyrites	Status unknown
Ching-hsien	26°35'	109°41'	Hunan	Gold	Status unknown
Ch'ing-tien	26°09'	120°17'	Chengkang	Iron Ore	Status unknown
Ching-yuan helen	23°42'	113°02'	Kwangtung	Copper, Lead, Pyrites	Operating in 1958
Chi'ia helen	21°57'	108°37'	Kwangtung	Asbestos, Gypsum, Manganes	Operating in 1960
Chin-g'ing area	26°46'	109°11'	Kweichow	Iron Ore	Reserve probably small and includes deposits at Yung-tung (26°04N; 109°03E), Tan-chai (26°22'N; 109°12'E) and Ching-chih (27°08'N; 108°44'E)
Chin-shih-ling*	25°43'	113°15'	Hunan	Pyrites	Status unknown

<u>Name or Deposit</u>	<u>Coordinates</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Chung-hai basin	19°15'	116°26'	Kwangtung	Graphite, Tin	Graphite mine operating in 1959
Ch'u-ao	18°27'	108°53'	Kwangtung	Antimony	Status unknown
Ch'u-t'ien-t'ung*	27°23'	109°04'	Hunan	Mercury	Status unknown
Ch'u-tu-luo*	22°25'	112°45'	Kwangtung	Tungsten	Extensive mining activity reported in 1959
Ch'uan-chun-hsien	25°57'	111°04'	Kwangsi	Lead, zinc, Pyrites, Tin	Pyrites occur with coal
Ch'u-chiang	24°48'	113°35'	Kwangtung	Antimony, Copper, Lead	Copper mine began operating in 1959
Chuchipo (Hinghsiang)	26°15'	112°33'	Hunan	Iron Ore	Operating in 1960. Good quality reserves, but small
Ch'ung-t	25°42'	114°19'	Kwangsi	Gold, Tin	Status unknown
Chung shan	24°32'	111°18'	Kwangsi	Tin	Status unknown
Chung-shan basin	22°31'	113°22'	Kwangtung	Bismuth, Tungsten	Status unknown
Ch'p'ing basin	22°11'	112°18'	Kwangtung	Bismuth, Tungsten	Status unknown
Pang-ch'eng	21°46'	108°21'	Kwangtung	Manganese	Operating in 1960
Tan k'ou	Approx. * 25°00'	113°38'	Kwangtung	Lead, Zinc	Operating in 1961
Peng-huang	27°54'	109°36'	Hunan	Mercury	Status unknown

<u>Name or Deposit</u>	<u>Coordinates</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Tung-tung ⁺	23°25'	109°54'	Kwangsi	Manganese	Status unknown
Tung-shun	23°38'	116°12'	Kwangtung	Lead	Operating in 1956.
Te-ling hsiang	23°52'	113°31'	Kwangtung	Copper	Status unknown
Tu-ch'ing	25°43'	119°22'	Yunnan	Gold	Status unknown
Tu-chou	26°05'	119°18'	Yunnan	Copper	Status unknown
Tu-ch'uan	24°50'	111°16'	Kwangsi	Arsenic, Tin	Status unknown
Tu-chung	24°32'	111°10'	Kwangsi	Tin	Operating in 1957
Hsi-gung hsiang	22°58'	115°20'	Kwangtung	Tin	Operating in 1962
Heng-Hsien	22°41'	109°16'	Kwangsi	Copper	Status unknown
Heng-shan hsiang	27°14'	112°52'	Yunnan	Lead, Tin, Tungsten	Status unknown
Hu-ch'ih	24°42'	108°02'	Kwangsi	Antimony, Tin	Status unknown
Hu-hsien	24°20'	111°39'	Kwangsi	Gold	Status unknown
Huipo ⁺	23°18'	109°38'	Kwangtung	Iron Ore	Deposit last reported in Dec. 1957. Current status unknown
Hua-tsu-p'ing ⁺	26°01'	109°21'	Yunnan	Mercury	Status unknown
Hsiang-chang ⁺	27°39'	113°45'	Yunnan	Antimony, Lead, Tungsten	Status unknown
Hsiang-tai ⁺	23°57'	112°10'	Kwangsi	Iron Ore	Status unknown

<u>Name or Deposit</u>	<u>Coordinates</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Hsi-chiang*	24°52'	110°34'	Kwangsi	Mercury	Status unknown
Hsi-chiang (Shan-y'ing)	22°46'	112°57'	Kwangtung	Manganese	Open pit mine, operating March 1962.
Hsi'ung-shan*	27°48'	111°33'	Hunan	Antimony	China's largest antimony mine. Mechanized in 1953
Hsiung*	23°26'	116°12'	Kwangtung	Tin	Operating in 1961
Hsin-fung hsien	24°04'	114°12'	Kwangtung	Copper	Status unknown
Hsiung-an hsien	25°37'	110°49'	Kwangsi	Pyrites	Pyrites occur with coal, reserves abundant
Hsiung-kuo	26°26'	115°16'	Kiangsi	Tin	Status unknown
Hsiung-ling	24°08'	115°43'	Kwangtung	Copper	Began operating in 1959
Hsin-tun	27°45'	111°18'	Hunan	Antimony, Gold, Lead	Operating in 1962
Hsin-ling	26°31'	110°48'	Hunan	Antimony	Status unknown
Hsin-shao	27°20'	111°23'	Hunan	Antimony	Status unknown
Hsin-yu	27°43'	110°36'	Kiangsi	Iron Ore	Includes open-pit deposits at Pail (27°44'N; 111°02'E), Angh (27°23'N; 114°37'E), Hsin-chiang (27°33'N; 115°02'E) Large reserves; mines active in Dec. 1962
Hsiung tsun*	25°17'	110°19'	Kwangsi	Mercury	Status unknown
Hsi yang*	26°14'	117°36'	Fukien	Iron Ore	Status unknown

<u>Name of Deposit</u>	<u>Coordinates</u> <u>North</u> <u>East</u>	<u>Province</u>	<u>Product</u>	<u>Remarks</u>
Hsu-p'u	27°54' 120°35'	Hunan	Antimony	Status unknown
Hsu-an	25°04' 117°34'	Yunnan	Graphite	Operating in 1957
Huang-hsien	27°22' 109°10'	Hunan	Gold, Mercury	Status unknown
Huang-jiao-chung	26°39' 119°33'	Yunnan	Lead, Zinc	Status unknown
Hui-t'ung	26°56' 109°36'	Hunan	Gold	Status unknown
I-shan hsien	24°34' 108°28'	Kwangsi	Gold, Tin	Tin mine operating in 1955
Jen-tsu hsien	25°05' 113°45'	Kwangtung	Copper, Lead, Zinc	Discovered in 1957
Jung-an	25°14' 109°23'	Kwangsi	Gold, Lead, Zinc	Plans were made to start mining in 1958
Jung-tsun	22°52' 110°33'	Kwangsi	Asbestos, Gold	Status unknown
Ju-yuan	24°46' 113°16'	Kwangtung	Antimony	Status unknown
Kai-chow	23°45' 111°47'	Kwangtung	Gold	Status unknown
Kan-hsien	25°51' 114°36'	Kiangsi	Copper, Tin	Status unknown
Kao-t'ung	23°05' 108°44'	Kwangsi	Bismuth, Tungsten	Status unknown
Kuang-ch'ang	26°50' 116°16'	Kiangsi	Tin	Status unknown
Kuang-feng	26°36' 116°12'	Kiangsi	Lead, Zinc	Status unknown
Kuang-hai Id-ang	25°08' 110°54'	Kwangsi	Tin	Operating in 1959
Kuang-hai Su-tung	Approx. * 25°08' 110°54'	Kwangsi	Lead, Zinc	Bulgarian aid project, began operations in Feb. 1960

<u>Name or Designation</u>	<u>Geographical Location</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Kuol-banien	23°06'	109°36'	Kuangai	Lead, Pyrites	Status unknown
Kuol-tia banien	25°17'	110°17'	Kuangai	Zinc	Status unknown
Kuol-yung banien	25°14'	112°43'	Hunan	Arsenic, Lead Graphite, Tin	Graphite mine operating in 1960
Kung-sh'eng	24°50'	110°49'	Kuangai	Tin	Operating in 1957
Ku'tien	26°36'	118°48'	Natien	Mica, Lead-Zinc	Status unknown
Lao-kuo-shan*	27°50'	119°50'	Chentsang	Pyrites	Status unknown
Lai-yung	26°25'	112°51'	Hunan	Graphite, Iron Ore, Manganese	Open pit iron ore mine operating in Sep. '60
Lien-banien	24°48'	112°25'	Kuangtung	Lead-Zinc	Began large scale mechanical operation in 1956
Lien-shan	24°41'	112°12'	Kuangtung	Cold	Status unknown
Liu banien	24°08'	112°25'	Kuangtung	Copper	Status unknown
Liu-shan banien	24°41'	112°12'	Kuangtung	Lead	Status unknown
Liu-shan	25°17'	112°33'	Hunan	Lead, Tin	Status unknown
Liu-p'u banien	24°30'	110°24'	Kuangai	Pyrites	Status unknown
Liu-shan*	24°20'	111°30'	Kuangai	Iron Ore	Status unknown
Liu-tung*	23°11'	109°05'	Kuangai	Aluminous ores	Discovered in 1957; status unknown

<u>Name or Location</u>	<u>Coordinates</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Lao-ch'ang hsiang	24°15'	109°19'	Kwangsi	Pyrites	Status unknown
Lao-chang-shan	24°30'	113°18'	Kwangtung	Pyrites	Status unknown
Lao-ch'ang hsiang	25°08'	113°20'	Kwangtung	Antimony, Bismuth, Fluorapatite	Status unknown
Lao-ch'ang hsiang	24°47'	106°54'	Kwangsi	Asbestos, Pyrites	Pyrites occur with coal, reserves abundant
Lao-ting	22°46'	111°34'	Kwangtung	Gold	Status unknown
Lao-chuan	22°21'	110°15'	Kwangsi	Gold, Talc	Status unknown
Lao-gang	22°57'	115°38'	Kwangtung	Flu	Operating in 1957
Lao-chang-hsiang	22°44'	114°16'	Kwangtung	Iron Ore	Open pit mine, last reported in Dec. '58. Current status unknown
Lao-men hsiang	23°44'	114°15'	Kwangtung	Lead-Zinc	Status unknown
Lao-yen	25°11'	117°09'	Forten	Antimony, Manganese	Status unknown
Lao-shan	26°46'	113°33'	Hunan	Iron Ore	Survey activity in Mar '59, current status unknown
Lao-yang	27°42'	109°39'	Hunan	Gold, Mercury	Status unknown
Lao-shan	26°42'	110°31'	Kwangsi	Gold	Status unknown
Mo-11-p'ing	27°38'	109°18'	Kweichow	Mercury	Status unknown
Man-ching	24°31'	117°21'	Yunnan	Copper	Status unknown

<u>Name or Deposit</u>	<u>Coordinates</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Man-hoi heien	23°02'	113°07'	Kuangtung	Bismuth, Tungsten	Status unknown
Man-haiung heien	25°07'	114°18'	Kuangtung	Gold	Status unknown
Man-k'ung	25°40'	114°45'	Kiangsi	Gold, Flu	Status unknown
Man-ning	22°49'	108°19'	Kuangsi	Lead-Zinc	Status unknown
Man-p'ing	26°38'	116°10'	Pekien	Iron Ore	Status unknown
Man-shiang	28°15'	112°33'	Hunan	Lead	Status unknown
Man-shi	26°41'	119°32'	Pekien	Lead-Zinc	Status unknown
Man-feng*	26°33'	112°28'	Hunan	Copper	Began operating in Jul '58
Man-sha	19°13'	109°26'	Kuangtung	Copper	Status unknown
Man-ch'ih	27°05'	119°07'	Pekien	Lead-Zinc	Status unknown
P'ian-shi-shan*	25°31'	116°22'	Kiangsi	Bismuth, Tungsten	Status unknown
Paulo	25°11'	117°00'	Pekien	Iron Ore	In operation in first quarter 1960.
Per-liu	22°43'	116°21'	Kuangsi	Gold	Status unknown
Pin-shai-jen*	27°55'	108°35'	Kweichow	Copper	Operating in 1958
Pin-chow	23°15'	108°49'	Kuangsi	Zinc	Status unknown
Pin-shan	26°56'	119°03'	Pekien	Graphite	Status unknown
Pin-shan-shi*	24°22'	116°17'	Kuangtung	Manganese	Open pit mine, closed down in July 1962
Pin-shan	27°40'	120°33'	Chiehnan	Various Ores Lead-Zinc Iron Ore	China's major producer of alumina Status unknown

NO FOREIGN DISSEM

NO FOREIGN DISSEM

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<u>Name or Deposit</u>	<u>Coordinates</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Pin-yang	23°12'	108°48'	Kwangsi	Antimony	Operating in 1952
Pin-yang	23°15'	108°49'	Kwangsi	Gold	Status unknown
Po-lo	23°10'	114°16'	Kwangtung	Asbestos	Status unknown
Pe-pai	22°13'	109°55'	Kwangsi	Gold, Tin	Status unknown
P'u-t'ien	25°26'	119°01'	Fukien	Copper	Status unknown
San-chiang	22°13'	113°03'	Kwangtung	Phosphate	Status unknown
San-chang	25°15'	108°50'	Kwangsi	Asbestos	Status unknown
San-ya	Approx. 18°14'	109°29'	Kwangtung	Wool, Titanium	Titanium mine operating in 1959
Shang-chia-ling*	27°32'	113°44'	Kiangsi	Iron Ore	Underground mine, being operated in June 1961
Shang-hang	25°05'	116°30'	Fukien	Lead-Zinc	Status unknown
Shang-lin	23°26'	108°36'	Kwangsi	Gold	Status unknown
Shao-kuan	Approx. 24°48'	113°35'	Kwangtung	Tungsten	Status unknown
Shao-wu	27°18'	117°30'	Fukien	Graphite	Status unknown
Shao-yang	27°15'	111°28'	Hunan	Antimony, Gold	Status unknown
Shawut'ang*	Approx. 26°12'	116°48'	Fukien	Zinc	Status unknown
Shih-liao	23°51'	109°31'	Kwangsi	Lead-Zinc	Plans were made to start mining in 1958
Shih-lu*	Approx. 19°12'	109°00'	Kwangtung	Copper	Began operating in 1959
Shih-lung*	23°19'	109°48'	Kwangsi	Manganese	Status unknown

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<u>Mine or Deposit</u>	<u>Coordinates</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Shui-k'ou-shan*	26°24'	112°24'	Hunan	Lead-Zinc Pyrites	Probably China's largest lead-zinc mine
Shan-ch'ang	26°48'	117°47'	Yunnan	Lead-Zinc	Status unknown
Sui-ning	26°30'	109°54'	Hunan	Iron Ore	Status unknown
Sung-tao	26°12'	109°12'	Kweichow	Mercury	Status unknown
Suntow	23°22'	116°40'	Kwangtung	Tin	Operating in 1957
Ta-chiang-kou*	27°51'	110°22'	Hunan	Antimony	Status unknown
Tai-shan (Ch'ang-ning)	26°24'	112°24'	Hunan	Iron Ore	Operating in 1960
Tan-tai-shan	19°31'	109°33'	Kwangtung	Tin	Status unknown
Ta-tung-lu*	27°41'	109°20'	Kweichow	Mercury	Status unknown
Ta-yu	25°24'	114°22'	Kiangsi	Tin	Status unknown
T'ang-tai-shan	23°23'	110°54'	Kwangsi	Gold	Status unknown
T'ieh-shan-chang*	24°42'	116°02'	Kwangtung	Iron Ore	Open pit mine, last reported in 1958
Tien-fan-ping*	27°19'	106°53'	Kweichow	Mercury	Status unknown
Ting-shan	24°47'	115°02'	Kiangsi	Tin	Status unknown
Ts'ang-tu-shan	23°25'	111°14'	Kwangsi	Copper	Status unknown
Tseng-ch'ang	23°17'	113°49'	Kwangtung	Gold	Status unknown
Tsui-tang*	24°54'	118°35'	Yunnan	Various Ores	Status unknown

<u>Mine or Deposit</u>	<u>Coordinates</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Pai-shien-shan*	22°35'	111°08'	Kwangtung	Pyrites	Status unknown
Tsuehlu	24°47'	109°33'	Kwangsi	Iron Ore	Probably open pit mine, scheduled to go into operation in 1960
P'ung-an	24°44'	118°09'	Pukien	Aluminous Ores	Status unknown
P'ung-an	26°20'	111°14'	Hunan	Antimony	Status unknown
P'ung-jen	27°41'	109°08'	Kweichow	Antimony, Lead-Zinc, Mercury	Status unknown
P'ung-kang-hsu*	25°05'	113°38'	Kwangtung	Zinc-Lead	Operating in 1963
P'ue-shia	23°38'	115°10'	Kwangtung	Iron Ore	Small high grade deposit; current status unknown
P'ue-yuan	26°06'	110°40'	Kwangsi	Mn	Status unknown
Pang-shan-ch'ang*	27°29'	109°11'	Kweichow	Mercury	Status unknown
Peng-yuan haiten	24°21'	114°07'	Kwangtung	Bismuth, Lead, Tungsten	Status unknown
Pen-wu ping*	27°35'	109°16'	Kweichow	Mercury	Status unknown
Pu-chow	23°29'	111°19'	Kwangsi	Copper, Gold	Status unknown
Pu-shuan	23°26'	109°39'	Kwangsi	Antimony	Operating in 1952
Pu-sling	23°10'	108°16'	Kwangsi	Gold	Status unknown

<u>Name of Deposit</u>	<u>Coordinates</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Yu-p'ing	25°09'	116°05'	Fukien	Gold	Status unknown
Yu-lin hsien	18°14'	109°29'	Kwangtung	Antimony	Status unknown
Yang-ch'un	22°10'	111°47'	Kwangtung	Iron Ore	Probably open pit mine, operating in 1960
Yang-shan	24°29'	112°38'	Kwangtung	Asbestos	Began operations in 1957
Yang-shan hsien*	24°48'	113°35'	Kwangtung	Copper, Lead-Zinc	Status unknown
Yao-shang hsien*	25°39'	113°23'	Hunan	Bismuth, Tungsten	Status unknown
Yeh-shan*	23°02'	109°51'	Kwangsi	Iron Ore	Operating in 1960
Yin-ch'ang*	26°35'	118°51'	Fukien	Lead-Zinc	Status unknown
Ying-ta hsien	24°10'	113°24'	Kwangtung	Copper, Lead, Pyrites, Phosphates, Gold	Discovered in 1957 Status unknown Status unknown Status unknown
Yin-shu-t'ang*	23°47'	114°10'	Kwangtung	Pyrites	Status unknown
Yuan-lung	28°27'	110°23'	Hunan	Antimony, Gold	Status unknown
Yu-ch'i	26°10'	116°11'	Fukien	Gold	Status unknown
Yu-lin hsien	22°38'	110°09'	Kwangsi	Copper	Status unknown
Yung-chiang	25°56'	108°31'	Swichow	Antimony	Status unknown
Yung-feng	27°20'	115°27'	Kiangsi	Iron Ore	Status unknown

<u>Mine or Deposit</u>	<u>Coordinates</u>		<u>Province</u>	<u>Product</u>	<u>Remarks</u>
	<u>North</u>	<u>East</u>			
Yun-fou	22°56'	112°02'	Kuangtung	Iron Ore	Open pit mine, scheduled to start operations in 1959. Current status unknown.
Yung-shan	22°45'	108°29'	Kwangsi	Gold, Iron Ore	Status unknown
Yung-t'ai	25°52'	116°55'	Fukien	Lead-Zinc	Status unknown
Yung-tung	24°49'	116°46'	Fukien	Graphite, Lead-Zinc, Iron Ore	Status unknown
Yun-ho	28°07'	119°33'	Chekiang	Iron Ore	Status unknown
Yu-p'ing	27°14'	108°55'	Kweichow	Mercury	Status unknown
Yu-tu	25°57'	115°16'	Kiangsi	Min	Status unknown
Yutzei*	24°48'	116°12'	Kuangtung	Manganese	Open pit mine, closed down in Jul. '62.

*Not given in NIS Gazetteer. All other place names are from the NIS Gazetteer.

**Regional. Bounded on East and South by the East China Sea and the South China Sea. Bounded on the west by 108°00'E; Bounded on the north by 28°30'N.

TRANSMITTAL SLIP		DATE
		4 FEB 1964
TO: <i>Chief ERA</i>		
ROOM NO.	BUILDING	
<i>4-F-42</i>	<i>Hq.</i>	
REMARKS:		
FROM: <i>OAD/RR</i>		
ROOM NO.	BUILDING	EXTENSION

FORM NO. 241
1 FEB 55

REPLACES FORM 36-8
WHICH MAY BE USED.

GPO : 1957—O—439445 (47)

TRANSMITTAL SLIP		DATE
		30 Mar 64
TO: <i>Se/p/c</i>		
ROOM NO.	BUILDING	
REMARKS:		
<i>In your attention</i>		
FROM: <i>Se/p/c</i>		
ROOM NO.	BUILDING	EXTENSION
<i>4-F-42</i>	<i>Hdqs.</i>	<i>5181</i>

FORM NO. 241
1 FEB 55

REPLACES FORM 36-8
WHICH MAY BE USED.

GPO : 1957—O—439445 (47)